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PLEASE RETURN

George Lackman,
Commissioner of Agriculture,
State of Montana,
Helena, Montana 59601

B.E. Ginther,
Chemist
Agriculture Experiment Station,
Bozeman, Montana 59715

COMMERCIAL FERTILIZER REPORT

Issued by
The Department of Agriculture, State of Montana, Helena, Montana
and
The Agricultural Experiment Station, Montana State University, Bozeman, Montana

NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN Claimed	TOTAL NITROGEN Found	AVAILABLE PHOSPHORIC ACID (P_2O_5) Claimed	AVAILABLE PHOSPHORIC ACID (P_2O_5) Found	SOLUBLE POTASH (K_2O) Claimed	SOLUBLE POTASH (K_2O) Found
CENTRAL FARMERS FERTILIZER COMPANY 100 South Wacker Drive Chicago, Illinois 60606								
CF Industries								
0-45-0	Kalispell	1-270			45.0	45.5		
0-0-60	Conrad	1-226					60.0	62.4
0-0-60	Geraldine	1-105					60.0	61.0
11-48-0	Chinook	1-114	11.0	11.0	48.0	48.4		
16-20-0	Shelby	1-217	16.0	16.0	20.0	22.4		
16-20-0	Kalispell	1-269	16.0	15.8	20.0	20.8		
18-46-0	Fort Benton	1-110	18.0	17.9	46.0	46.0		
18-46-0	Chinook	1-113	18.0	18.5	46.0	46.9		
18-46-0	Geraldine	1-106	18.0	18.4	46.0	47.3		
18-46-0	Brady	1-82	18.0	18.4	46.0	46.4		
23-23-0	Billings	1-1132	23.0	23.2	23.0	23.0		
27-14-0	Chinook	1-112	27.0	27.1	14.0	14.9		
34-0-0	Chinook	1-111	34.0	34.1				
34-0-0	Geraldine	1-104	34.0	34.0				
CHEVRON CHEMICAL COMPANY 940 Hensley Richmond, California 94804								
Ortho								
0-45-0	Hyshem	1-1116			45.0	45.0		
16-16-16	Ronan	1-273	16.0	15.6	16.0	16.2	16.0	16.0
16-16-16	Sheridan	1-263	16.0	15.8	16.0	16.2	16.0	16.0
16-16-16	Hamilton	1-171	16.0	16.1	16.0	16.1	16.0	16.3
16-16-16	Kalispell	1-162	16.0	15.3	16.0	15.9	16.0	16.1
16-16-16	Billings	1-1080	16.0	16.2	16.0	16.0	16.0	15.9
16-16-16	Hamilton	1-89	16.0	15.8	16.0	16.3	16.0	16.1

Deficient Beyond Tolerance - Underscored
Not Registered - *

NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN		AVAILABLE PHOSPHORIC ACID (P_2O_5)		SOLUBLE POTASH (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found
Chevron Chemical Company (cont.)								
16-20-0	Hamilton	1-174	16.0	15.8	20.0	21.1		
16-20-0	Billings	1-1079	16.0	15.9	20.0	20.6		
18-46-0	Billings	1-1081	18.0	18.0	46.0	45.4		
18-46-0	Hamilton	1-173	18.0	18.0	46.0	46.0		
18-46-0	Stevensville	1-177	18.0	18.1	46.0	46.6		
22-22-0	Sheridan	1-67	22.0	21.5	22.0	22.3		
22-22-0	Billings	1-1078	22.0	22.0	22.0	22.3		
22-22-0	Hamilton	1-175	22.0	21.6	22.0	22.0		
22-22-0	Sheridan	1-264	22.0	20.2	22.0	21.3		
22-22-0	Billings	1-1137	22.0	21.9	22.0	22.4		
27-12-0	Dillon	1-53	27.0	26.4	12.0	12.4		
27-12-0	Hamilton	1-87	27.0	26.4	12.0	12.5		
27-12-0	Stevensville	1-176	27.0	26.6	12.0	12.5		
27-12-0	Sheridan	1-265	27.0	26.2	12.0	12.1		
27-12-0	Billings	1-1136	27.0	26.1	12.0	12.6		
33.5-0-0	Billings	1-1077	33.5	33.7				
33.5-0-0	Hamilton	1-172	33.5	33.6				
34-0-0	Hamilton	1-86	34.0	34.0				
34-0-0	Hamilton	1-88	34.0	34.0				
34-0-0	Kalispell	1-163	34.0	33.8				
34-0-0	Billings	1-1135	34.0	33.8				
34-0-0	Power	1-253	34.0	33.9				
34-0-0	Ronan	1-274	34.0	33.7				
COLLIER CARBON AND CHEMICAL CORPORATION 461 S. Boylston Street Los Angeles, California 90017 Brea								
0-45-0	Cut Bank	1-129			45.0	46.2		
11-48-0	Merriweather	1-209	11.0	11.1	48.0	48.1		
18-46-0	Merriweather	1-210	18.0	18.0	46.0	47.0		
34-0-0	Conrad	1-228	34.0	33.8				

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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN		AVAILABLE PHOSPHORIC ACID (P_2O_5)		SOLUBLE POTASH (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found
COMINCO AMERICAN INCORPORATED West 818 Riverside Avenue Spokane, Washington 99201								
Elephant								
0-0-60	Roberts	1-1158					60.0	61.9
0-0-60	Hardin	1-1121					60.0	62.0
0-0-60	Bridger	1-1162					60.0	61.5
0-0-60	Ronan	1-278					60.0	60.3
10-34-0	Shelby	1-2023	10.0	10.0	34.0	35.2		
11-48-0	Baker	1-1200	11.0	11.2	48.0	48.5		
11-55-0	Denton	1-50	11.0	11.2	55.0	55.0		
11-55-0	Shelby	1-131	11.0	11.4	55.0	54.5		
11-55-0	Belgrade	1-161	11.0	11.0	55.0	55.0		
11-55-0	Billings	1-1130	11.0	11.3	55.0	55.0		
11-55-0	Hyshem	1-1114	11.0	11.2	55.0	56.0		
11-55-0	Baker	1-1198	11.0	11.1	55.0	55.3		
11-55-0	Billings	1-1139	11.0	11.2	55.0	55.6		
11-55-0	Lewistown	1-241	11.0	11.0	55.0	55.5		
16-20-0	Billings	1-1138	16.0	15.9	20.0	20.8		
16-20-0	Kalispell	1-164	16.0	16.2	20.0	20.3		
16-20-0	Kalispell	1-168	16.0	16.6	20.0	19.3		
16-20-0	Baker	1-1197	16.0	16.0	20.0	20.5		
16-48-0	Billings	1-1129	16.0	16.4	48.0	48.4		
18-46-0	Denton	1-51	18.0	18.2	46.0	46.3		
18-46-0	Ronan	1-68	18.0	18.2	46.0	47.0		
18-46-0	Power	1-84	18.0	18.2	46.0	47.0		
18-46-0	Hyshem	1-1115	18.0	18.4	46.0	46.5		
18-46-0	Harlowton	1-1174	18.0	18.2	46.0	46.0		
18-46-0	Bridger	1-1161	18.0	18.0	46.0	46.6		
18-46-0	Valier	1-199	18.0	17.8	46.0	46.1		
18-46-0	Lewistown	1-243	18.0	17.7	46.0	47.0		
18-46-0	Billings	1-1140	18.0	17.8	46.0	46.0		
18-46-0	Fairfield	1-258	18.0	17.8	46.0	46.8		
18-46-0	Dutton	1-251	18.0	17.9	46.0	46.3		
21-0-0	Hardin	1-1122	21.0	20.7				
21-0-0	Wibaux	1-1065	21.0	20.7				
21-0-0	Miles City	1-1108	21.0	20.8				
23-23-0	Valier	1-200	23.0	22.2	23.0	24.2		
24-24-0	Hardin	1-1127	24.0	23.8	24.0	24.5		
27-14-0	Valier	1-197	27.0	27.0	14.0	14.9		
28-14-0	Kalispell	1-165	28.0	25.7	14.0	19.0		
28-14-0	Harlowton	1-1170	28.0	27.9	14.0	14.0		

(continued)

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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN		AVAILABLE PHOSPHORIC ACID (P_2O_5)		SOLUBLE POTASH (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found
Cominco American Incorporated (cont.)								
34-0-0	Ronan	1-69	34.0	34.1				
34-0-0	Denton	1-52	34.0	34.0				
34-0-0	Kalispell	1-167	34.0	33.9				
34-0-0	Valier	1-198	34.0	33.7				
34-0-0	Billings	1-1131	34.0	33.6				
34-0-0	Billings	1-1128	34.0	33.9				
34-0-0	Lewistown	1-242	34.0	33.7				
ENJAY CHEMICAL COMPANY P.O. Box 201 Florham Park, New Jersey 07932								
Engro								
11-48-0	Havre	1-110	11.0	11.1	48.0	47.7		
11-48-0	Great Falls	1-142	11.0	10.9	48.0	48.7		
11-48-0	Harlowton	1-1172	11.0	11.0	48.0	48.6		
11-48-0	Sunburst	1-213	11.0	11.4	48.0	48.2		
11-48-0	Moore	1-244	11.0	10.8	48.0	48.8		
11-55-0	Fort Benton	1-229	11.0	11.0	55.0	55.0		
11-55-0	Geraldine	1-233	11.0	10.8	55.0	55.3		
11-55-0	Great Falls	1-140	11.0	11.2	55.0	55.5		
16-20-0	Townsend	1-137	16.0	15.8	20.0	23.0		
16-20-0	Great Falls	1-141	16.0	15.8	20.0	21.1		
16-20-0	Missoula	1-179	16.0	15.8	20.0	21.7		
16-20-0	Billings	1-1134	16.0	15.7	20.0	20.7		
16-20-0	Forsyth	1-1213	16.0	15.8	20.0	20.6		
18-46-0	Geyser	1-2025	18.0	18.0	46.0	46.3		
18-46-0	Fairfield	1-190	18.0	17.8	46.0	46.6		
18-46-0	Great Falls	1-139	18.0	18.0	46.0	47.1		
18-46-0	Fairfield	1-146	18.0	18.0	46.0	46.6		
18-46-0	Belgrade	1-160	18.0	18.3	46.0	46.2		
18-46-0	Brady	1-81	18.0	18.3	46.0	46.9		
18-46-0	Dutton	1-83	18.0	18.5	46.0	46.4		
18-46-0	Harlowton	1-1173	18.0	18.2	46.0	46.7		
18-46-0	Valier	1-203	18.0	18.1	46.0	46.2		
18-46-0	Geraldine	1-232	18.0	17.8	46.0	46.7		
18-46-0	Ronan	1-272	18.0	17.7	46.0	46.8		
23-23-0	Sunburst	1-214	23.0	22.5	23.0	23.6		
27-14-0	Fairfield	1-192	27.0	26.7	14.0	14.8		
27-14-0	Saco	1-1196	27.0	31.0	14.0	5.8		
27-14-0	Billings	1-1133	27.0	26.6	14.0	14.7		
27-14-0	Moore	1-245	27.0	27.1	14.0	14.3		
34-0-0	Great Falls	1-143	34.0	33.8				

(continued)

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Enjay Chemical Company (cont.)								
34-0-0	Fairfield	1-144	34.0	33.9				
34-0-0	Belgrade	1-158	34.0	32.5				
34-0-0	Saco	1-1195	34.0	33.8				
34-0-0	Geraldine	1-234	34.0	33.8				
34-0-0	Fort Benton	1-230	34.0	33.8				
34-0-0	Forsyth	1-1214	34.0	33.8				
Terico								
11-48-0	Helena	1-2008	11.0	11.1	48.0	48.7		
FARMERS UNION CENTRAL EXCHANGE Box G St. Paul, Minnesota 55101								
Central Exchange								
0-45-0	Denton	1-235			45.0	44.5		
0-45-0	Warden	1-1153			45.0	45.8		
0-45-0	Columbus	1-1191			45.0	45.0		
0-45-0	Broadview	1-1166			45.0	44.9		
0-45-0	Hyshem	1-1111			45.0	44.6		
0-45-0	Glendive	1-1092			45.0	45.0		
0-45-0	Billings	1-1075			45.0	45.8		
0-46-0	Linsay	1-1101			46.0	43.5		
0-0-60	Billings	1-1143					60.0	61.7
0-0-60	Warden	1-1152					60.0	61.3
0-0-60	Linsay	1-1102					60.0	61.3
0-0-60	Glendive	1-1093					60.0	60.5
0-0-60	Billings	1-1076					60.0	60.5
11-48-0	Brady	1-250	11.0	10.8	48.0	48.6		
16-20-0	Linsay	1-1100	16.0	15.4	20.0	23.5		
16-20-0	Stevens-ville	1-170	16.0	16.1	20.0	20.3		
16-20-0	Columbus	1-1190	16.0	16.4	20.0	20.3		
16-20-0	Hardin	1-1126	16.0	16.0	20.0	21.7		
18-46-0	Billings	1-1074	18.0	18.3	46.0	46.9		
18-46-0	Glendive	1-1095	18.0	18.3	46.0	46.9		
18-46-0	Linsay	1-1098	18.0	18.0	46.0	46.8		
18-46-0	Hyshem	1-1110	18.0	17.7	46.0	45.4		
18-46-0	Broadview	1-1167	18.0	17.8	46.0	46.0		
18-46-0	Warden	1-1151	18.0	17.7	46.0	45.9		
18-46-0	Billings	1-1142	18.0	18.0	46.0	46.2		
18-46-0	Hyshem	1-1211	18.0	17.8	46.0	46.0		

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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN Claimed	TOTAL NITROGEN Found	AVAILABLE PHOSPHORIC ACID (P_2O_5) Claimed	AVAILABLE PHOSPHORIC ACID (P_2O_5) Found	SOLUBLE POTASH (K_2O) Claimed	SOLUBLE POTASH (K_2O) Found
Farmers Union Central Exchange (cont.)								
18-46-0	Denton	1-237	18.0	17.9	46.0	46.0		
21-0-0	Glendive	1-1091	21.0	20.9				
21-0-0	Lindsay	1-1099	21.0	20.8				
27-14-0	Columbus	1-1192	27.0	27.2	14.0	14.3		
30-10-0	Fairfield	1-2003	30.0	30.0	10.0	10.9		
34-0-0	Billings	1-1073	34.0	34.2				
34-0-0	Glendive	1-1094	34.0	33.9				
34-0-0	Lindsay	1-1097	34.0	33.6				
34-0-0	Hyshem	1-1112	34.0	34.0				
34-0-0	Billings	1-1141	34.0	33.9				
34-0-0	Hyshem	1-1212	34.0	33.6				
34-0-0	Broadview	1-1168	34.0	33.9				
34-0-0	Columbus	1-1193	34.0	33.5				
34-0-0	Warden	1-1154	34.0	33.8				
34-0-0	Warden	1-1150	34.0	33.8				
34-0-0	Denton	1-236	34.0	33.6				
CONAGRA Beldgrade, Montana 59714								
29-14-0 (BLEND)	Belgrade	*1-2006	29.0	31.5	14.0	6.0		
GULF OIL CORPORATION Willchemco, Inc. P.O. Box 71 Donaldsonville, Louisana 70346								
Mr. Green								
30-10-0	Miles City	1-1106	30.0	29.4	10.0	11.3		
30-10-0	Bozeman	1-155	30.0	29.6	10.0	10.8		
INTERNATIONAL MINERALS AND CHEMICAL CORPORATION 5401 Old Orchard Road Skokie, Illinois 60076								
I.M.C. Brand								
0-0-60	Townsend	1-138					60.0	62.5
KAISER FERTILIZER 142 Blair Spur Windover, Utah								
Kaisers								
0-0-62	Chinook	*1-246					62.0	62.4

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			Claimed	Found	Claimed	Found	Claimed	Found
NORTHERN BRAND St. Paul Ammonia Halix Inc. P.O. Box 418 South St. Paul, Minn. 55100								
Northern Brand								
33.5-0-0	Baker	*1-1046	33.5	33.8				
NORTHWEST NITRO-CHEMICALS LTD. P.O. Box 310 Medicine Hat, Alberta, Canada								
Northwest								
0-45-0	Wilsall	1-1179			45.0	44.5		
0-46-0	Shelby	1-135			46.0	45.4		
11-48-0	Sidney	1-1030	11.0	11.0	48.0	48.3		
11-48-0	Baker	1-1047	11.0	10.9	48.0	48.3		
11-48-0	Shelby	1-334	11.0	11.2	48.0	48.2		
11-48-0	Manhattan	1-188	11.0	11.2	48.0	49.5		
11-55-0	Shelby	1-220	11.0	11.4	55.0	56.5		
11-55-0	Highwood	1-231	11.0	11.4	55.0	55.8		
15-15-15	Missoula	1-180	15.0	12.9	15.0	20.9	15.0	17.3
15-38-10	Fairfield	1-191	15.0	15.1	38.0	38.1	10.0	10.6
16-20-0	Shelby	1-130	16.0	15.9	20.0	21.0		
16-20-0	Bozeman	1-156	16.0	15.8	20.0	20.8		
16-20-0	Shelby	1-136	16.0	14.6	20.0	26.0		
16-20-0	Manhattan	1-187	16.0	16.0	20.0	20.3		
16-20-0	Missoula	1-182	16.0	16.0	20.0	21.7		
16-20-0	Hamilton	1-169	16.0	15.9	20.0	20.3		
16-20-0	Livingston	1-1184	16.0	15.9	20.0	20.2		
16-20-0	Laurel	1-1165	16.0	15.8	20.0	20.2		
16-20-0	Livingston	1-1218	16.0	15.5	20.0	20.5		
16-20-0	Shelby	1-219	16.0	15.7	20.0	20.8		
16-20-0	Wilsall	1-1177	16.0	16.2	20.0	19.1		
16-20-0	Sunburst	1-215	16.0	15.4	20.0	22.2		
16-20-0	Winifred	1-239	16.0	15.7	20.0	20.2		
16-20-0	Hardin	1-1125	16.0	15.9	20.0	20.5		
16-20-0	Livingston	1-1222	16.0	15.8	20.0	20.0		
18-46-0	Ronan	1-275	18.0	17.5	46.0	46.2		
18-46-0	Bozeman	1-2026	18.0	17.6	46.0	46.4		
18-46-0	Sidney	1-1029	18.0	18.3	46.0	46.4		
18-46-0	Baker	1-1048	18.0	18.0	46.0	46.6		
18-46-0	Shelby	1-132	18.0	18.0	46.0	46.3		

(continued)

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NAMES AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN		AVAILALBE PHOSPHORIC ACID (P_2O_5)		SOLUBLE POTASH (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found
Northwest Nitro-Chemicals Ltd. (cont.)								
18-46-0	Manhattan	1-186	18.0	18.1	46.0	45.5		
18-46-0	Chester	1-221	18.0	17.9	46.0	46.3		
18-46-0	Conrad	1-223	18.0	17.9	46.0	46.5		
18-46-0	Baker	1-1199	18.0	17.7	46.0	47.2		
18-46-0	Winifred	1-238	18.0	17.9	46.0	47.6		
18-46-0	Hardin	1-1123	18.0	17.7	46.0	46.3		
18-46-0	Sidney	1-1208	18.0	17.7	46.0	46.0		
23-23-0	Wilsall	1-1178	23.0	22.7	23.0	23.8		
27-14-0	Missoula	1-181	27.0	28.0	14.0	15.5		
29-14-0	Deer Lodge	1-147	29.0	28.9	14.0	14.5		
29-14-0	Dillon	1-149	29.0	28.9	14.0	15.4		
29-14-0	Bozeman	1-151	29.0	29.0	14.0	14.4		
29-14-0	Livingston	1-1185	29.0	28.7	14.0	14.6		
29-14-0	White Sulphur Springs	1-1175	29.0	28.4	14.0	15.2		
29-14-0	Wilsall	1-1180	29.0	28.2	14.0	13.6		
29-14-0	Laurel	1-1164	29.0	26.7	14.0	21.1		
29-14-0	Livingston	1-1221	29.0	29.0	14.0	14.4		
29-14-0	Livingston	1-1220	29.0	28.6	14.0	15.4		
33.5-0-0	Miles City	1-1107	33.5	33.9				
33.5-0-0	Valier	1-202	33.5	33.6				
33.5-0-0	Hardin	1-1126	33.5	33.9				
34-0-0	Bozeman	1-157	34.0	34.0				
34-0-0	Shelby	1-133	34.0	34.4				
34-0-0	Deer Lodge	1-184	34.0	34.1				
34-0-0	Manhattan	1-185	34.0	34.0				
34-0-0	Livingston	1-1183	34.0	33.6				
34-0-0	Wilsall	1-1176	34.0	33.9				
34-0-0	Laurel	1-1163	34.0	33.8				
34-0-0	Sunburst	1-216	34.0	33.6				
34-0-0	Shelby	1-218	34.0	33.6				
34-0-0	Dillon	1-262	34.0	34.0				
34-0-0	Fairfield	1-255	34.0	34.0				
34-0-0	Sidney	1-1207	34.0	34.0				
34-0-0	Ronan	1-276	34.0	33.6				
34-0-0	Bozeman	1-2027	34.0	33.7				
PHILLIPS PETROLEUM COMPANY 329 Adams Building Bartlesville, Oklahoma 74004								
Phillips 34-0-0	Great Falls	1-189	34.0	33.8				

Deficient Beyond Tolerance - Underscored
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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN Claimed	TOTAL NITROGEN Found	AVAILABLE PHOSPHORIC ACID (P_2O_5) Claimed	AVAILABLE PHOSPHORIC ACID (P_2O_5) Found	SOLUBLE POTASH (K_2O) Claimed	SOLUBLE POTASH (K_2O) Found
SELSTAD SOIL SERVICE W. Vaughn Road Great Falls, Montana 59401								
Triple S								
10-33-0	Denton	1-2024	10.0	9.8	33.0	33.0		
SHERRITT FERTILIZERS, INC. 103 Cascade Plaza 2828 S.W. Corbett Avenue Portland, Oregon 97201								
Sherritt								
16-20-0	Valier	1-204	16.0	16.1	20.0	20.8		
16-20-0	Winifred	1-240	16.0	16.4	20.0	20.4		
18-46-0	Rudyard	1-126	18.0	18.0	46.0	46.0		
21-0-0	Conrad	1-227	21.0	20.7				
21-0-0	Valier	1-205	21.0	20.7				
21-0-0	Fairfield	1-257	21.0	20.5				
34-0-0	Rudyard	1-127	34.0	34.2				
J.R. SIMPLOT COMPANT P.O. Box 912 Pocatello, Idaho 83201								
Simplot								
0-45-0	Wibaux	1-1065			45.0	45.8		
0-45-0	Dillon	1-150			45.0	44.2		
0-45-0	Fairfield	1-145			45.0	44.9		
0-45-0	Miles City	1-1105			45.0	45.5		
0-45-0	Miles City	1-1109			45.0	44.5		
0-45-0	Deer Lodge	1-183			45.0	44.9		
0-45-0	Harlowton	1-1171			45.0	45.3		
0-45-0	Fairfield	1-194			45.0	45.3		
0-45-0	Valier	1-201			45.0	45.3		
0-45-0	Valier	1-206			45.0	45.3		
0-45-0	Saco	1-1194			45.0	45.7		
0-45-0	Dillon	1-261			45.0	45.2		
0-45-0	Fairfield	1-256			45.0	45.7		
0-45-0	Billings	1-1146			45.0	45.3		
0-45-0	Hardin	1-1119			45.0	45.0		
0-45-0	Livingston	1-1219			45.0	45.7		
0-45-0	Forsyth	1-1215			45.0	45.4		
11-48-0	Wibaux	1-1067	11.0	10.9	48.0	48.3		

(continued)

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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN Claimed	TOTAL NITROGEN Found	AVAILABLE PHOSPHORIC ACID (P_2O_5) Claimed	AVAILABLE PHOSPHORIC ACID (P_2O_5) Found	SOLUBLE POTASH (K_2O) Claimed	SOLUBLE POTASH (K_2O) Found
J.R. Simplot Company (cont.)								
11-48-0	Baker	1-1045	11.0	11.1	48.0	47.3		
11-48-0	Havre	1-116	11.0	10.9	48.0	48.2		
11-48-0	Miles City	1-1104	11.0	10.6	48.0	48.6		
11-48-0	Valier	1-196	11.0	11.0	48.0	47.7		
11-48-0	Valier	1-207	11.0	10.8	48.0	48.8		
11-48-0	Chester	1-222	11.0	11.0	48.0	48.3		
11-48-0	Cut Bank	1-211	11.0	12.4	48.0	39.7		
16-20-0	Power	1-85	16.0	16.0	20.0	19.4		
16-20-0	Havre	1-117	16.0	16.2	20.0	20.1		
16-20-0	Bozeman	1-154	16.0	16.0	20.0	20.9		
16-20-0	Kalispell	1-166	16.0	16.2	20.0	18.9		
16-20-0	Billings	1-1144	16.0	15.5	20.0	21.2		
16-20-0	Hardin	1-1120	16.0	16.0	20.0	20.1		
16-20-0	Dillon	1-260	16.0	15.6	20.0	20.4		
16-20-0	Power	1-254	16.0	15.8	20.0	20.1		
18-46-0	Wibaux	1-1068	18.0	18.1	46.0	46.3		
18-46-0	Havre	1-118	18.0	18.0	46.0	46.2		
18-46-0	Bozeman	1-152	18.0	17.7	46.0	46.6		
18-46-0	Miles City	1-1103	18.0	18.0	46.0	46.8		
18-46-0	Valier	1-208	18.0	17.6	46.0	46.1		
18-46-0	Cut Bank	1-212	18.0	17.9	46.0	46.5		
18-46-0	Billings	1-1145	18.0	17.7	46.0	46.3		
18-46-0	Hardin	1-1118	18.0	17.9	46.0	46.7		
18-46-0	Dutton	1-252	18.0	17.8	46.0	46.2		
21-0-0	Ronan	1-277	21.0	20.5				
28-14-0	Dillon	1-259	28.0	27.4	14.0	15.3		
33.5-0-0	Hardin	1-1117	33.5	33.7				
34-0-0	Bozeman	1-153	34.0	33.8				
34-0-0	Terry	1-1096	34.0	34.0				
STAUFFER CHEMICAL COMPANY 636 California Street San Francisco, California 94119								
Stauffer								
0-45-0	Belgrade	1-159			45.0	44.8		
0-45-0	Bridger	1-1160			45.0	45.2		
11-48-0	Billings	1-1082	11.0	10.5	48.0	48.5		
16-20-0	Chinook	1-248	16.0	15.6	20.0	21.4		
16-20-0	Chinook	1-115	16.0	16.1	20.0	20.2		
18-46-0	Harlowton	1-1169	18.0	17.6	46.0	46.2		

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USS AGRI CHEMICALS 4th and Adams Winona, Minnesota 55987								
USS Agri Chemicals								
15-40-5	Sidney	1-1027	15.0	14.5	40.0	40.9	5.0	5.5
33.5-0-0	Sidney	1-1028	33.5	33.4				
USS AGRI CHEMICALS Division of United States Steel Corporation 10 East South Temple - Rm 1224 Salt Lake City, Utah 84111								
USS Agri Chemicals								
21-0-0	Chinook	1-249	21.0	20.6				
30-10-0	Belgrade	1-2007	30.0	30.1	10.0	10.8		
WYCON CHEMICAL COMPANY P.O. Box 1087 Colorado Springs, Colorado 80901								
Wycon								
33.5-0-0	Hyshem	*1-1113	33.5	34.1				
33.5-0-0	Missoula	*1-178	33.5	34.1				
34-0-0	Roberts	1-1157	34.0	34.0				
34-0-0	Chinook	1-127	34.0	34.0				
34-0-0	Bridger	1-1159	34.0	33.9				

MICRONUTRIENT ANALYSES

NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	MICRONUTRIENT	CLAIM	FOUND
HIBBITT-HODGSON GRAIN CO. Gypsum Division Spokane, Washington					
Agro Gypsum	Kalispell	*1-2001	Calcium	16.3	17.2
			Magnesium	0.50	3.15
			Sulphur	13.0	13.2

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MONTANA DEPARTMENT OF AGRICULTURE

Feed and Fertilizer Division

SUMMARY OF FERTILIZER AND FERTILIZER MATERIAL SOLD IN MONTANA

January - June 1971

	MATERIALS	Total (Tons)
1.	Anhydrous Ammonia (82-0-0)	721
2.	Ammonium Nitrate	42,412
3.	Ammonium Sulfate (21-0-0)	1,351
4.	Urea	1,346
5.	Nitrogen Solutions (Aqua Ammonia, Urea Solutions and Urea, Ammonium Nitrate Solutions)	2,801
6.	Superphosphate (0-45-0, 0-46-0)	9,518
7.	Phosphoric Acid	791
8.	Ground Phosphate Rock and Bone Meal	57
9.	Gypsum, Lime and Sulfur	282
10.	Potash	2,589
11.	Micro Nutrient Materials	29
	AMMONIATED PHOSPHATES AND MIXTURES	
12.	18-46-0	25,710
13.	16-20-0	12,853
14.	11-48-0	7,576
15.	11-55-0	4,926
16.	27-14-0	2,178
17.	27-12-0, 29-14-0, 28-14-0	5,559
18.	1-1-0 ratios such as 23-23-0	1,742
19.	1-1-1 ratios such as 16-16-16	217
20.	Sewage sludge and dried manures	100
21.	Miscellaneous dry mixtures	2,236
22.	Liquid Mixtures	319
	TOTAL, All Fertilizers and Materials	125,313
	TOTAL NITROGEN	27,773
	TOTAL P_2O_5	27,269
	TOTAL K_2O	1,699

FERTILIZER BY GRADES USED IN PREPARING CUSTOMER FORMULA BLENDS

(Included in first page)

	MATERIAL	Total (Tons)
1.	Ammonium Nitrate	13,383
2.	Ammonium Sulfate (21-0-0)	985
3.	Nitrogen Solutions	111
4.	Superphosphates (0-45-0, 0-46-0)	1,089
5.	Potash	2,295
6.	Sulfur	15
7.	Micro-Nutrient Materials	40
	AMMONIUM PHOSPHATES AND DRY MIXTURES	
8.	30-10-0	15
9.	18-46-0	6,396
10.	16-20-0	1,724
11.	11-48-0	1,666
12.	11-55-0	587
13.	27-14-0	34
14.	Liquid Mixtures	80
15.	Miscellaneous or not reported as to grade	931
	TOTAL FERTILIZER MATERIALS USED IN BLENDING	29,351

This Commercial Fertilizer Report is published biannually by the Montana Department of Agriculture in order to supply information to all persons concerned. If you would like your name added to the mailing list please write:

B.E. Ginther, Associate Chemist
Agricultural Experiment Station
McCall Hall
Montana State University
Bozeman, MT 59715